RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/79/300

Source: 1FWO

Date Processed by STIC: $/0/2 > /0 \checkmark$

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 10/22/2004 TIME: 13:09:16

PATENT APPLICATION: US/10/797,302

Input Set : A:\25669-019.ST25.txt

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3 <110> APPLICANT: Smith, Daniel J.
          Taubman, Martin A.
  6 <120> TITLE OF INVENTION: Glycosyltransferase Immunogens
  8 <130> FILE REFERENCE: 25669-019
 10 <140> CURRENT APPLICATION NUMBER: 10/797,302
 11 <141> CURRENT FILING DATE: 2004-03-09
 13 <150> PRIOR APPLICATION NUMBER: 09/290,049
 14 <151> PRIOR FILING DATE: 1999-04-12
 16 <150> PRIOR APPLICATION NUMBER: 60/081,550
 17 <151> PRIOR FILING DATE: 1998-04-13
19 <150> PRIOR APPLICATION NUMBER: 60/115,142
20 <151> PRIOR FILING DATE: 1999-01-08
22 <150> PRIOR APPLICATION NUMBER: 10/383,930
23 <151> PRIOR FILING DATE: 2003-03-07
25 <150> PRIOR APPLICATION NUMBER: 60/363,209
26 <151> PRIOR FILING DATE: 2002-03-07
28 <150> PRIOR APPLICATION NUMBER: 60/402,483
29 <151> PRIOR FILING DATE: 2002-08-02
31 <160> NUMBER OF SEQ ID NOS: 21
33 <170> SOFTWARE: PatentIn version 3.2
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 21
37 <212> TYPE: PRT
38 <213> ORGANISM: Artificial
40 <220> FEATURE:
41 <223> OTHER INFORMATION: EAW peptide
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54 <211> LENGTH: 19
55 <212> TYPE: PRT
56 <213> ORGANISM: Artificial
58 <220> FEATURE:
59 <223> OTHER INFORMATION: HDS peptide
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67 Leu Ile Ala
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72 <211> LENGTH: 22
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RAW SEQUENCE LISTING PATENT APPLICATION: US/10/797,302 DATE: 10/22/2004 TIME: 13:09:16

Input Set : A:\25669-019.ST25.txt

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77 <223> OTHER INFORMATION: GLB peptide
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85 Gly Val Gln Val Lys Gly
86
               20
89 <210> SEQ ID NO: 4
90 <211> LENGTH: 15
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial
94 <220> FEATURE:
95 <223> OTHER INFORMATION: MAC peptide
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100 1
                                         10
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 15
105 <212> TYPE: PRT
106 <213> ORGANISM: Streptococcus mutans
108 <400> SEQUENCE: 5
110 Ser Ala Trp Asn Ser Asp Ser Glu Arg Pro Phe Asp Asp His Leu
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115 <211> LENGTH: 15
116 <212> TYPE: PRT
117 <213> ORGANISM: Streptococcus mutans
119 <400> SEQUENCE: 6
121 Ser Ala Trp Asn Ser Asp Ser Glu Lys Pro Phe Asp Asp His Leu
122 1
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126 <211> LENGTH: 15
127 <212> TYPE: PRT
128 <213> ORGANISM: Streptococcus mutans
130 <400> SEQUENCE: 7
132 Pro Asn Trp Asn Ser Gln Thr Glu Ser Asp Thr Ser Ala Gly Glu
133 1
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136 <210> SEO ID NO: 8
137 <211> LENGTH: 15
138 <212> TYPE: PRT
139 <213> ORGANISM: Streptococcus downei
141 <400> SEQUENCE: 8
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147 <210> SEQ ID NO: 9
148 <211> LENGTH: 15
149 <212> TYPE: PRT
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PATENT APPLICATION: US/10/797,302 DATE: 10/22/2004 TIME: 13:09:16

Input Set : A:\25669-019.ST25.txt
Output Set: N:\CRF4\10222004\J797302.raw

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160 <212> TYPE: PRT
161 <213> ORGANISM: Streptococcus mutans
163 <400> SEQUENCE: 10
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169 Pro Tyr Leu His Asp
170
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173 <210> SEQ ID NO: 11
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175 <212> TYPE: PRT
176 <213> ORGANISM: Streptococcus mutans
178 <400> SEQUENCE: 11
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184 Gln Tyr Asn Lys Asp
185
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188 <210> SEQ ID NO: 12
189 <211> LENGTH: 21
190 <212> TYPE: PRT
191 <213> ORGANISM: Streptococcus downei
193 <400> SEQUENCE: 12
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196 1
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199 Pro Tyr Leu His Asp
203 <210> SEQ ID NO: 13
204 <211> LENGTH: 21
205 <212> TYPE: PRT
206 <213> ORGANISM: Streptococcus downei
208 <400> SEQUENCE: 13
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211 1
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214 Asp Tyr Val Lys Gln
215
                20
218 <210> SEQ ID NO: 14
219 <211> LENGTH: 21
220 <212> TYPE: PRT
221 <213> ORGANISM: Streptococcus sobrinus
223 <400> SEQUENCE: 14
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226 1
229 Pro Tyr Leu His Asp
230
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RAW SEQUENCE LISTING DATE: 10/22/2004 PATENT APPLICATION: US/10/797,302 TIME: 13:09:16

Input Set : A:\25669-019.ST25.txt
Output Set: N:\CRF4\10222004\J797302.raw

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245
                20
248 <210> SEQ ID NO: 16
249 <211> LENGTH: 22
250 <212> TYPE: PRT
251 <213> ORGANISM: Streptococcus mutans
253 <400> SEQUENCE: 16
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259 Val Ile Ala Lys Ile Ile
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264 <211> LENGTH: 22
265 <212> TYPE: PRT
266 <213> ORGANISM: Streptococcus downei
268 <400> SEQUENCE: 17
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274 Leu Ile Arg Asp Ile Ile
275
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278 <210> SEQ ID NO: 18
279 <211> LENGTH: 22
280 <212> TYPE: PRT
281 <213> ORGANISM: Streptococcus downei
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289 Arg Ile Ala Lys Ile Ile
290
293 <210> SEQ ID NO: 19
294 <211> LENGTH: 22
295 <212> TYPE: PRT
296 <213> ORGANISM: Streptococcus sobrinus
298 <400> SEQUENCE: 19
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301 1 .
                    5
304 Ile Ile Arg Asp Ile Ile
305
                20
308 <210> SEQ ID NO: 20
309 <211> LENGTH: 19
310 <212> TYPE: PRT
311 <213> ORGANISM: Artificial
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,302

DATE: 10/22/2004 TIME: 13:09:16

Input Set : A:\25669-019.ST25.txt

- 313 <220> FEATURE:
- 314 <223> OTHER INFORMATION: DGQ peptide
- 316 <400> SEQUENCE: 20
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- 319 1 5 10 15
- 322 Lys Phe Val
- 326 <210> SEQ ID NO: 21
- 327 <211> LENGTH: 4
- 328 <212> TYPE: PRT
- 329 <213> ORGANISM: Artificial
- 331 <220> FEATURE:
- 332 <223> OTHER INFORMATION: Terminus spacer
- 334 <400> SEQUENCE: 21
- 336 Cys Ala Gly Ala
- 337 1

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/797,302

DATE: 10/22/2004 TIME: 13:09:17

Input Set : A:\25669-019.ST25.txt

Output Set: N:\CRF4\10222004\J797302.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,20,21

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/797,302

DATE: 10/22/2004 TIME: 13:09:17

Input Set : A:\25669-019.ST25.txt